

Claims

1. A portable ophthalmic apparatus comprising:

a supporting part which attaches detachably a portable device having a photographing camera part on a photographing optical axis;

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a main body which is arranged integrally with said supporting part and which has an illumination optical system for radiating an illumination beam toward photographing objective eyes along an illumination optical axis intersected at a predetermined angle with said

10 photographing optical axis.

2. A portable ophthalmic apparatus according to claim 1, wherein an illumination condition of said illumination optical system is changeable.

3. A portable ophthalmic apparatus according to claim 2, wherein
15 said portable device is a personal digital assistance having a telecommunication function part.

4. A portable ophthalmic apparatus according to claim 1 or 2, wherein said illuminating condition is depended on an angle formed from said photographing optical axis and said illumination optical axis,
20 and a shape or volume of said illumination beam.

5. A portable ophthalmic apparatus according to claim 1 or 2, wherein said main body has a photographing assistant optical system which is configured in such that a photographical condition of the photographing assistant optical system is changeable in accordance with
25 changing of said illumination condition.

6. A portable ophthalmic apparatus according to claim 5, wherein said photographing assistant optical system has a zoom lens or an

auxiliary lens and the auxiliary lens is set and position of zoom of the zoom lens is changeable in accordance with the photographing condition.

7. A portable ophthalmic apparatus according to claim 1, wherein said main body is equipped with optical units of different structures which are replaceable.

8. A portable ophthalmic apparatus according to claim 1 or 2, wherein said illumination optical system has a slit opening stop and by projecting slit illumination beam toward said photographing objective eyes, sectional shapes of a cornea and a crystal lens are photographed.

9. A portable ophthalmic apparatus according to claim 1 or 2, wherein said main body has a photographing assistant optical system for photographing an eye ground of the photographing objective eyes and said illumination optical system is adapted to change an angle which forms between said photographing optical axis and the illumination optical system.

10. A portable ophthalmic apparatus according to claim 1 or 2, wherein said main body has a concentric placido-disc illumination optical system and the cornea of each of said photographing objective eyes is ring-illuminated.

11. A portable ophthalmic apparatus according to claim 1, wherein said supporting part has a pair of legs which are movable to approach and move away or extend and contract with respect to each other.

12. A portable ophthalmic apparatus according to claim 1, wherein said supporting part is slidable relative to said main body.

13. An ophthalmic system wherein the portable device according to any one of claims 1 to 10 has a command function which processes graphic data of the photographing objective eyes in a destination

14. An ophthalmic system according to claim 13, wherein the portable device according to any one of claims 1 to 10 is adapted to be transmittable literal or symbol data as well as said graphic data.